REMARKS

Applicant respectfully requests entry of this Amendment and reconsideration of the pending claims. Claims 1, 2, 5, 7, 8, and 15 are amended, and claims 14 and 16-26 are canceled. New claims 27-40 are added. Accordingly, claims 1-13, 15, and 27-40 are pending.

Claims 2, 5, 7 and 8 were objected to. Applicant has amended the claims to address the objections.

Claims 1-13 and 15 were rejected under 35 U.S.C. § 112 as being indefinite. The claims are amended to include units, and to clarify the conjunctive.

Claims 1, 2, 4-7, 9-12 and 15 were rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent Application No. US 2003/0027910 (hereinafter "Misra '910"). Applicant submits that amended claims 1 and 15 are patentable over the cited reference for the reasons listed below, and the remaining claims depend from an allowable claim.

Claim 1 is amended to define that "the composition has a dissipation factor of less than about 0.01 at about 10kHz when cured." The basis for the amendment is found at least at paragraph [0039], page 13 and at Table 1, page 18. Misra '910 does not teach a thermal conductive composition that has a dissipation factor less than about 0.01 when cured.

Claim 15 is amended to define that "the particulate filler has an average particle size in a range from about 0.01 microns to less than 1 micron." The basis for the amendment is found at least in paragraph [0022], page 6. Logical subdivisions of the explicitly stated average particle size ranges can be made with reference to the bond line thickness, and the explicit relationship between the particle size and the bond line thickness stated in paragraph [0022]. Misra '910 does not teach a thermal conductive composition having a particulate filler, particularly an aluminum oxide particulate filler, having an average particle size as defined in claim 15.

Under 35 U.S.C. § 103(a), claims 1, 2, 4-7, 9-12 and 15 were rejected as being obvious over Misra '910; and claims 1-13 and 15 were rejected as being unpatentatble over U.S. Patent Application No. US 2003/0187116 (hereinafter "Misra '116").

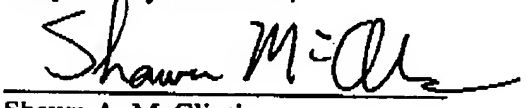
Generally, Applicant notes that neither Misra '910 nor Misra '116 teaches a thermally conductive composition with a liquid metal to particulate weight ratio in the claimed range. With reference to claim 1, neither Misra '910 nor Misra '116 teaches a

thermal conductive composition having a dissipation factor as claimed; and, with reference to claim 15, neither Misra '910 nor Misra '116 teaches a thermal conductive composition having particulate filler having an average particle size in the claimed range. For a *prima facie* case of obviousness, all of the claim elements must be disclosed, suggested or taught in the references, or in the combination of references. Consequently, claims 1 and 15 are believed to be in condition for allowance for at least the reasons summarized above with respect to amended claims 1 and 15, and their dependent claims. A notice of allowance is respectfully requested.

New claims 27-31 depend from allowable claim 1 or 15, and are therefore allowable also. New claim 32 is allowable for at least the same reasons that claim 15 is allowable, and new claims 33-40 depend from allowable claim 32. Their consideration and allowance are requested.

Should the Examiner believe that anything further is needed to place the application in condition for allowance, the Examiner is invited to contact the Applicant's undersigned representative at the telephone number below. Any additional fees for the accompanying response are hereby petitioned for, and the Director is authorized to charge such fees as may be required to Deposit Account 07-0868.

Respectfully submitted,



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